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The following <u>Listing of the Claims</u> will replace all prior versions and all prior listings of the claims in the present application:

## <u>Listing of the Claims:</u>

- 1. (Currently amended) A tissue implant device configured to resist migration in tissue comprising a flexible helical spring coil formed from a filament having a rectangular cross-sectional profile, the coil having a plurality of eoils, each turns, the filament having an edge along which is formed at least one barb a plurality of barbs that project from the edge and are adapted to engage engages surrounding tissue.
- 2. (Currently amended) An implant as defined in claim 1 wherein the <u>barbs are at least one barb is proximally facing.</u>
- 3. (Currently amended) The implant as defined in claim 1 wherein the <u>barbs face</u> barb faces radially outward from the <u>spring coil</u>.
- 4. (Currently amended) A tissue implant device configured to resist migration in tissue comprising a flexible helical spring coil having at least one barb a helical edge and a plurality of barbs projecting from the edge, each barb having a rounded contour that engages adapted to engage surrounding tissue.
- 5. (Currently amended) An implant as defined in claim 1 wherein <u>each</u> the at least ene barb has a <u>sharp</u> sharpened point configured for engaging tissue.
  - 6. (Cancelled)
- 7. (Currently amended) An implant device as defined in claim 1 wherein the spring comprises a plurality of coils, each having each turn has a proximally facing edge along which is formed a plurality of barbs and a plurality of barbs projecting from the edge of each turn.
- 8. (Currently amended) A tissue implant device configured to resist migration in tissue comprising a flexible helical spring coil having at least one barb that engages a plurality of

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barbs adapted to engage surrounding tissue wherein the spring coil is formed from a plurality of materials each having a different modulu modulus of elasticity.

- 9. (Currently amended) An implant as defined in claim 4 8 wherein the spring is formed from metal.
- 10. (Currently amended) An implant as defined in claim 9 wherein the metal metallic material is stainless steel.
- 11. (Currently amended) An implant as defined in claim 4 8 wherein the moduli of elasticity of the spring coil varies along its length.
- 12. (Currently amended) An implant as defined in claim 1 wherein the spring is formed from a filament that has been and barbs are etched from a flat sheet of material and wound into a spring the coil configuration.
  - 13. (Cancelled)
- 14. (Currently amended) A method of forming a tissue implant device comprising: forming a ribbon having at least one projecting barb shape on an edge and a plurality of barbs projecting from the edge, of the ribbon in a sheet of material by a photochemical etching process;

separating the ribbon formed from the sheet of material; and wrapping the ribbon form into a helical coil shape, plastically deforming the ribbon so that it retains the coil shape with at least one projecting barb along barbs projecting from the edge.

- 15. (Cancelled)
- 16. (Currently amended) A method as defined in claim 14 wherein at least one barb is the barbs are is formed along an edge that will be proximally facing after the ribbon is wrapped into a coil shape.

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## 17. (Cancelled)

- 18. (Previously presented) A method of forming a tissue implant device as defined in claim 14 further comprising forming a plurality of ribbons in a single sheet of material by photochemical etching process.
- 19. (Withdrawn): A method of implanting a tissue implant device comprising: providing a flexible helical spring having at least one coil with at least one projecting barb that engages surrounding tissue;

providing a delivery device having a penetrating distal tip and being configured to hold the tissue implant for delivery into tissue;

advancing the delivery device and loaded tissue implant into biological tissue so that the tissue is penetrated and the implant is inserted into the tissue;

releasing the tissue implant into the tissue; withdrawing the implant delivery device.

- 20. (Withdrawn) A method of delivering a tissue implant device as defined in claim 19 wherein the tissue is accessed surgically.
- 21. (Withdrawn) A method of delivering a tissue implant device as defined in claim 19 wherein the biological tissue is accessed percutaneously.
- 22. (Currently amended) A tissue implant device as defined in claim 9 wherein the spring coil is formed from a nickel titanium alloy.
- 23. (Currently amended) A tissue implant device as defined in claim 2 wherein the barbs project barb projects proximally away from the edge of the coil spring.
- 24. (Currently amended) A tissue implant device as defined in claim 3 wherein the barbs project barb projects radially outward from the edge of the coil spring at an angle inclined in the proximal direction.

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(New) A tissue implant device as defined in claim 3 wherein the barbs curve 25. radially outward from the edge of the coil at an angle inclined in the proximal direction.